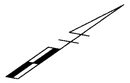
PHASE CHART



	1	2	3	4	5	6	
PHASE 2 + 6	G	G	G	G	R	R	
2 + 6 CHANGE	Y	Y	Y	Y	R	R	
PHASE 4	R	R	R	R	G	G	
4 CHANGE	R	R	R	R	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT MD 7 AND INDUSTRIAL PARK ROAD IN BALTIMORE COUNTY. MD 7 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE SIGNAL WILL OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE, WITH MD 7 APPROACHES RUNNING CONCURRENTLY AND INDUSTRIAL PARK ROAD RUNNING ALONE.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

MR. DAVID MALKOWSKI
DISTRICT ENGINEER
PHONE: (410) 321-2780

MR. RANDALL SCOTT
ASSISTANT DISTRICT
ENGINEER - TRAFFIC
PHONE: (410) 321-2781

MR. JOE McMAHON
UTILITY ENGINEER
PHONE: (410) 321-2780

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

THE POWER COMPANY REPRESENTATIVE IS:

BALTIMORE GAS ELECTRIC COMPANY
MR. JOSEPH G. BUNCH
INDUSTRIAL / COMMERCIAL SERVICES
NEW BUSINESS CONSTRUCTION
7317 PARKWAY DRIVE SOUTH
PHONE: (410) 859-9030

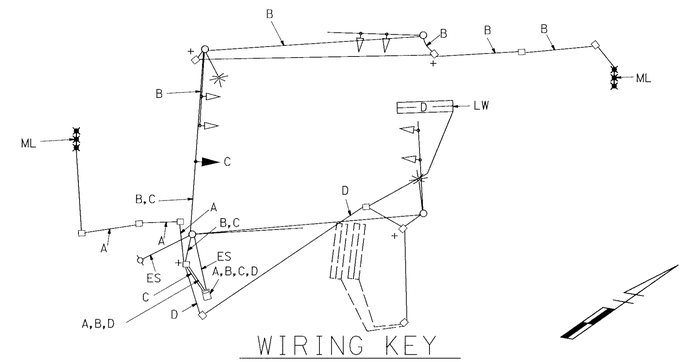
MR. PHILIP HUMBERTSON
SPECIAL PROJECTS
PHONE: (410) 321-2851

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR:

SPEC. SECTION.	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
104	120500	L.S.	MAINTENANCE OF TRAFFIC
104	114245	45 L.F.	FURNISH AND INSTALL REMOVABLE PREFORMED PAVEMENT MARKING TAPE (STOP LINE)
104	114250	1 EACH	FURNISH AND INSTALL REMOVABLE PREFORMED PAVEMENT MARKING ARROW
805	805160	15 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810	861104	190 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2-CONDUCTOR (ALUMINUM SHIELDED)
810	861108	115 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 A.W.G.)
810	800000	1 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500' LEAD-IN
810	800000	1 EACH	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 1,000' LEAD-IN
814	860265	2 EACH	RELOCATE EXISTING SIGNAL HEAD
814	860272	3 EACH	FURNISH AND INSTALL 12 INCH BLACK FACE VEHICULAR TRAFFIC SIGNAL HEAD SECTION
814	800000	1 EACH	RELOCATE EXISTING SIGN ON MAST ARM
810	862101	550 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 IN. FLEXIBLE TUBING (NO 14 AWG)
815	862102	235 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
-----	800000	1 EACH	COVER EXISTING SIGNAL HEAD
-----	800000	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT

WIRING DIAGRAM



WIRING KEY

A } MICRO-LOOP PROBE SET WITH 500' LEAD-IN

B } MICRO-LOOP PROBE SET WIYTH 1,000' LEAD-IN

C } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

D } 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

LW - LOOP WIRE (NO. 14 A.W.G.)

ML - MICRO-LOOP PROBE SET

ES - EXISTING UNDERGROUND ELECTRICAL SERVICE

\+ - EXISTING 3/4 IN. x 10 FT. GROUND ROD

PHASE 3
TEMPORARY TRAFFIC SIGNAL

SS-12

GEOMETRIC LEGEND
EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

HURST-ROSCHE ENGINEERS, INC.
50 Scott Adam Road
Suite 101
Cockeysville, MD 21030
410-683-1683

REVISIONS

A NOVEMBER, 2000
MODIFY SIGNAL FOR NEW GEOMETRICS
S.H.A. No.BA2135176
DLA

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ORIGINAL ON FILE
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
MD 7 (Philadelphia Road) at
Industrial Park Road

DRAWN BY: A. A.	F.A.P. NO. N/A	TS NO. 3561A-X1C-G11	SHEET NO.
CHECKED BY: J. A. B.	S.H.A. NO. BW813-802-412		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. D770	208 OF 237
DATE: 9-26-95	LOG MILE: 03000706.62		